

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

AHOSKIE, NC

TRI-COUNTY AT HENRY JOYNER
FLD (ASJ).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19
NA when local weather not available.
Category D, 800-2½.

ALBEMARLE, NC

STANLY
COUNTY (VUJ).....ILS or LOC Rwy 22L¹²
NDB Rwy 22L³
RNAV (GPS) Rwy 4R³
RNAV (GPS) Rwy 22L³
NA when local weather not available.
¹NA when control tower closed.
²LOC, Category D, 800-2½.
³Category D, 800-2½.

ALLEDALE, SC

ALLEDALE
COUNTY (AQX).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
VOR-A
NA when local weather not available.

NAME ALTERNATE MINIMUMS

ANDERSON, SC

ANDERSON
RGNL (AND).....ILS or LOC Rwy 5¹
RNAV (GPS) Rwy 5¹
RNAV (GPS) Rwy 17¹²
RNAV (GPS) Rwy 23²
RNAV (GPS) Rwy 35¹²
VOR Rwy 5¹
¹NA when local weather not available.
²Category D, 800-2¼.

ASHEBORO, NC

ASHEBORO
RGNL (HBI).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21¹
Categories C, D, 1100-3.
¹NA when local weather not available.

ASHEVILLE, NC

ASHEVILLE
RGNL (AVL).....ILS or LOC Rwy 17¹²
ILS or LOC Rwy 35³⁴
RNAV (GPS) Rwy 17⁵
RNAV (GPS) Rwy 35⁵
¹NA when local weather not available.
²LOC, Category C, 1400-3; Category D, 1600-3.
³NA when control tower closed.
⁴ILS, Categories A, B, C, D, 900-4;
LOC, Categories A, B, 1100-2;
Category C, 1300-3; Category D, 1600-3.
⁵Category C, 1300-3; Category D, 1600-3.

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NAME ALTERNATE MINIMUMS

BEAUFORT, NC

MICHAEL J
SMITH FLD (MRH).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 32

NA when local weather not available.

BEAUFORT, SC

BEAUFORT
EXEC (ARW).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

BENNETTSVILLE, SC

MARLBORO COUNTY JETPORT -
H E AVENT FLD (BBP).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

BURLINGTON, NC

BURLINGTON/ALAMANCE
RGNL (BUY).....RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹
VOR/DME-A

NA when local weather not available.

¹Category C, 1000-2 $\frac{1}{4}$; Category D, 1000-3.

CHARLESTON, SC

CHARLESTON
AFB/INTL (CHS).....ILS or LOC Rwy 15¹
ILS or LOC Rwy 33¹
RNAV (GPS) Y Rwy 3²
RNAV (GPS) Y Rwy 15²
RNAV (GPS) Y Rwy 21²
RNAV (GPS) Y Rwy 33²
VOR/DME or TACAN Rwy 3³
VOR/DME or TACAN Rwy 21³
VOR/DME or TACAN Rwy 33²

¹LOC, Category D, 800-2 $\frac{1}{4}$; Category E, 800-2 $\frac{1}{2}$.

²Category D, 800-2 $\frac{1}{4}$.

³Category D, 800-2 $\frac{1}{4}$; Category E, 800-2 $\frac{1}{2}$.

CHARLESTON

EXEC (JZI).....ILS or LOC Rwy 9¹²
RNAV (GPS) Rwy 4³⁴
RNAV (GPS) Rwy 9³⁴
RNAV (GPS) Rwy 27³⁴

¹LOC, NA when local weather not available.

²LOC, Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{1}{4}$.

³NA when local weather not available.

⁴Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{1}{4}$.

NAME ALTERNATE MINIMUMS

CHARLOTTE, NC

CHARLOTTE/DOUGLAS
INTL (CLT).....ILS or LOC Rwy 18C¹
ILS or LOC Rwy 18L¹
ILS or LOC Rwy 18R¹
ILS or LOC Rwy 23²
ILS or LOC Rwy 36C¹
ILS or LOC Rwy 36L³
ILS or LOC Rwy 36R³
RNAV (GPS) Y Rwy 18C⁴
RNAV (GPS) Y Rwy 18L⁴
RNAV (GPS) Y Rwy 18R⁴
RNAV (GPS) Y Rwy 36C⁵
RNAV (GPS) Y Rwy 36L⁴
RNAV (GPS) Y Rwy 36R⁴

¹LOC, Category C, 800-2 $\frac{1}{4}$; Category D, 800-2 $\frac{1}{2}$.

²ILS, Categories A, B, C, D, 700-2.

³ILS, LOC, Category C, 800-2 $\frac{1}{4}$;

Category D, 800-2 $\frac{1}{2}$.

⁴Category C, 800-2 $\frac{1}{4}$; Category D, 800-2 $\frac{1}{2}$.

⁵Category D, 800-2 $\frac{1}{2}$.

CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER
FLD (CQW).....RNAV (GPS) Rwy 26
VOR/DME Rwy 8

NA when local weather not available.

Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{1}{4}$.

CHESTER, SC

CHESTER CATAWBA
RGNL (DCM).....NDB Rwy 35
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.

Category D, 900-2 $\frac{1}{4}$.

CLEMSON, SC

OCONEE COUNTY
RGNL (CEU).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

Category C, 800-2 $\frac{1}{4}$.

CLINTON, NC

CLINTON-SAMPSON
COUNTY (CTZ).....LOC Rwy 6¹
RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy Y 24¹
RNAV (GPS) Rwy Z 24
VOR/DME-A¹

NA when local weather not available.

¹Category D, 800-2 $\frac{1}{4}$.

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NAME ALTERNATE MINIMUMS

GEORGETOWN, SC

GEORGETOWN
 COUNTY (GGE).....RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23

NA when local weather not available.
 Category D, 800-2½.

GOLDSBORO, NC

WAYNE EXEC
 JETPORT (GWW).....ILS or LOC Rwy 23
 RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 VOR-A

NA when local weather not available.

GREENSBORO, NC

PIEDMONT TRIAD
 INTL (GSO).....ILS or LOC Rwy 5L¹
 ILS or LOC Rwy 5R¹
 ILS or LOC Rwy 23L¹²
 ILS or LOC Rwy 23R¹
 ILS Y or LOC/DME Y Rwy 32¹
 ILS Z or LOC/DME Z Rwy 32¹
 RNAV (GPS) Rwy 5L²³
 RNAV (GPS) Rwy 5R²³
 RNAV (GPS) Rwy 14²³
 RNAV (GPS) Rwy 23L³
 RNAV (GPS) Rwy 23R²³
 RNAV (GPS) Rwy 32²³
 VOR/DME Rwy 23L³

¹LOC, Category C, 800-2½; Category D, 800-2½.
²NA when local weather not available.
³Category C, 800-2½; Category D, 800-2½.

GREENVILLE, NC

PITT-
 GREENVILLE (PGV).....RNAV (GPS) Rwy 2
 RNAV (GPS) Rwy 8
 RNAV (GPS) Rwy 20
 RNAV (GPS) Rwy 26

NA when local weather not available.
 Category D, 800-2½.

GREENVILLE, SC

DONALDSON
 FLD (GYH).....ILS or LOC Rwy 5
 NA when local weather not available.
 NA when control tower closed.

NAME ALTERNATE MINIMUMS

GREENVILLE, SC (CON'T)

GREENVILLE
 DOWNTOWN (GMU).....ILS Y or LOC Y Rwy 1¹²
 ILS Z or LOC Z Rwy 1¹²³
 RNAV (GPS) Rwy 1³⁴
 RNAV (GPS) Rwy 10³⁵
 RNAV (GPS) Rwy 19³⁵
 RNAV (GPS) Rwy 28³⁵

¹NA when tower closed.
²LOC, Category D, 900-2¾.
³NA when local weather not available.
⁴Category C, 900-2¾.
⁵Category D, 900-2¾.

GREENWOOD, SC

GREENWOOD
 COUNTY (GRD).....RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 27
 VOR Rwy 9

NA when local weather not available.
 Category D, 800-2½.

GREER, SC

GREENVILLE SPARTANBURG
 INTL (GSP).....ILS or LOC Rwy 4¹²
 ILS or LOC Rwy 22¹²
 RNAV (GPS) Rwy 4³
 RNAV (GPS) Rwy 22³

NA when local weather not available.
¹NA when control tower closed.
²LOC, Category D 800-2½.
³Category D 800-2½.

HICKORY, NC

HICKORY RGNL (HKY).....ILS or LOC Rwy 24¹²
 RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 6³
 RNAV (GPS) Rwy 19³
 RNAV (GPS) Rwy 24³
 VOR/DME Rwy 24³

NA when local weather not available.
¹NA when control tower closed.
²LOC, Category C, 900-2½; Category D, 900-2½.
³Category C, 900-2½; Category D, 900-2½.

HILTON HEAD ISLAND, SC

HILTON HEAD (HXD).....RNAV (GPS) Rwy 3
 NA when local weather not available.

JACKSONVILLE, NC

ALBERT J ELLIS (OAJ).....ILS or LOC Rwy 5
 RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23

NA when local weather not available.

JEFFERSON, NC

ASHE COUNTY (GEV).....RNAV (GPS) Rwy 28
 NA when local weather not available.
 Categories A, B, 1100-2; Categories C, D, 2000-3.

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NAME ALTERNATE MINIMUMS

KENANSVILLE, NC

DUPLIN CO (DPL).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

Category D, 900-2½.

KINGSTREE, SC

WILLIAMSBURG
RGNL (CKI).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32

NA when local weather not available.
Category C, 900-2¾; Category D, 900-3.

KINSTON, NC

KINSTON RGNL JETPORT AT
STALLINGS FLD (ISO).....ILS or LOC Rwy 5¹²
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.
¹NA when control tower closed.
²Categories C, D, 700-2.

LANCASTER, SC

LANCASTER COUNTY-MC WHIRTER
FLD (LKR).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.
Category D, 800-2¼.

LEXINGTON, NC

DAVIDSON
COUNTY (EXX).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

LINCOLNTON, NC

LINCOLNTON-LINCOLN COUNTY
RGNL (IPJ).....ILS Y or LOC Y Rwy 23¹²³
ILS Z or LOC Z Rwy 23¹³⁵
RNAV (GPS) Rwy 5¹⁴
RNAV (GPS) Rwy 23⁴

¹NA when local weather not available.
²ILS, LOC, Category C, 800-2¼;
Category D, 800-2½.
³NA when FBO closed.
⁴Category C, 800-2¼; Category D, 800-2½.
⁵LOC, Category C, 800-2¼; Category D, 800-2½.

LOUISBURG, NC

TRIANGLE NORTH
EXEC (LHZ).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR-A¹

NA when local weather not available.
¹Categories A, B, 900-2; Category C, 900-2¾;
Category D, 900-3.

NAME ALTERNATE MINIMUMS

LUMBERTON, NC

LUBERTON RGNL (LBT).....ILS or LOC Rwy 5
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 23

NA when local weather not available.

MANNING, SC

SANTEE COOPER
RGNL (MNI).....VOR/DME or GPS-A
Category D, 800-2¼.
NA when local weather not available.

MANTEO, NC

DARE COUNTY
RGNL (MQI).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 23

NA when local weather not available.

MARION, SC

MARION
COUNTY (MAO).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR/DME-A

NA when local weather not available.
Category D, 900-2¾.

MAXTON, NC

LAURINBURG/
MAXTON (MEB).....ILS or LOC Rwy 5¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²³

¹LOC, Category D, 900-2½.
²Category D, 900-2½.
³NA when local weather not available.

MONROE, NC

CHARLOTTE/MONROE
EXEC (EQY).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.
Category D, 800-2½.

MORGANTON, NC

FOOTHILLS RGNL (MRN).....LOC Rwy 3
RNAV (GPS) Rwy 3¹
RNAV (GPS) Rwy 21¹

NA when local weather not available.
¹Category D, 900-2¾.

MOUNT AIRY, NC

MOUNT AIRY/SURRY
COUNTY (MWK).....RNAV (GPS) Rwy 18¹
RNAV (GPS) Rwy 36

Category C, 1000-2¾; Category D, 1100-3.
¹NA when local weather not available.

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NAME ALTERNATE MINIMUMS

ROCK HILL, SCROCK HILL/YORK COUNTY/
BRYANT FLD (UZA).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20NA when local weather not available.
Category D, 800-2¼.**ROCKINGHAM, NC**RICHMOND
COUNTY (RCZ).....RNAV (GPS) Rwy 32

NA when local weather not available.

ROCKY MOUNT, NCROCKY MOUNT/WILSON
RGNL (RWI).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR/DME Rwy 22

NA when local weather not available.

ROXBORO, NCRALEIGH RGNL AT PERSON
COUNTY (TDF).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24NA when local weather not available.
Category D, 800-2¼.**RUTHERFORDTON, NC**RUTHERFORD COUNTY/MARCHMAN
FLD (FQD).....RNAV (GPS) Rwy 1NA when local weather not available.
Category D, 800-2¼.**SALISBURY, NC**MID-CAROLINA
RGNL (RUQ).....RNAV (GPS) Rwy 20

NA when local weather not available.

SANFORD, NCRALEIGH EXEC JETPORT AT SANFORD-
LEE COUNTY (TTA).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21NA when local weather not available.
Category D, 800-2¼.**SHELBY, NC**SHELBY-CLEVELAND
COUNTY RGNL (EHO).....NDB Rwy 23¹
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23NA when local weather not available.
¹Category C, 800-2¼; Category D, 800-2½.**SILER CITY, NC**SILER CITY
MUNI (SCR).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

NAME ALTERNATE MINIMUMS

SMITHFIELD, NCJOHNSTON
RGNL (JNX).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21NA when local weather not available.
Category C, 800-2¼; Category D, 1000-3.**SPARTANBURG, SC**SPARTANBURG DOWNTOWN MEML/SIMPSON
FLD (SPA).....ILS or LOC Rwy 5
RNAV (GPS) Rwy 5

NA when local weather not available.

STATESVILLE, NCSTATESVILLE
RGNL (SVH).....ILS Y or LOC Y Rwy 28¹
ILS Z or LOC Z Rwy 28¹
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

¹NA when FBO closed.**SUMMERVILLE, SC**SUMMERVILLE (DYB).....RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹²¹Categories A, B, 900-2; Category C, 900-2¼.²NA when local weather not available.**SUMTER, SC**SUMTER (SMS).....ILS or LOC Rwy 23¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²

NA when local weather not available.

¹LOC, Category C, 900-2½; Category D, 900-2¼.²Category C, 900-2½; Category D, 900-2¼.**SYLVA, NC**JACKSON
COUNTY (24A).....RNAV (GPS) Rwy 33NA when local weather not available.
Category A, 1600-2; Category B, 1700-2.**WADESBORO, NC**ANSON COUNTY/JEFF CLOUD
FLD (AFP).....ILS or LOC Rwy 34¹
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34²

NA when local weather not available.

¹ILS, Category C, 700-1½; Category D, 700-2¼.

LOC, Category D, 800-2¼.

²Category C, 800-2¼; Category D, 800-2½.

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NAME ALTERNATE MINIMUMS

NAME ALTERNATE MINIMUMS

WALTERBORO, SC

LOWCOUNTRY

RGNL (RBW).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35

NA when local weather not available.

WASHINGTON, NC

WASHINGTON-

WARREN (OCW).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35

NA when local weather not available.

Category D, 800-2½.

WHITEVILLE, NC

COLUMBUS COUNTY

MUNI (CPC).....NDB Rwy 6
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

Category D, 800-2¼.

WILMINGTON, NC

WILMINGTON

INTL (ILM).....ILS Y or LOC Rwy 6¹
ILS Y or LOC Rwy 24¹
ILS Y or LOC Rwy 35²
RADAR-1³⁴
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 17³
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 35³
TACAN-A³

¹ILS, Category C, 700-2; Category D, 900-3; LOC, Category D, 900-3.

²LOC, Category D, 900-3.

³Category D, 900-3.

⁴NA when control tower closed.

WINNSBORO, SC

FAIRFIELD

COUNTY (FDW).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

Category D, 800-2½.

WINSTON-SALEM, NC

SMITH

REYNOLDS (INT).....ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 33²

NA when local weather not available.

¹NA when control tower closed.

²Category D, 800-2½.

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